

PRINTED CIRCUIT BOARD STIFFENER

ABSTRACT OF THE DISCLOSURE

A printed circuit board (PCB) assembly includes a stiffener member that eliminates the need for a separate PCB housing. The stiffener member is attached to the PCB at a first mount interface without the use of fasteners and is attached to a vehicle structure at a second mount interface. The first mount interface comprises a plurality of mounting feet that extend out transversely relative to a stiffener main body portion, and which are soldered directly to the PCB. The second mount interface comprises a plurality of radially extending tabs formed about the circumference of the stiffener member. The tabs each include an aperture for receiving a fastener. The stiffener member also includes gripping elements that resiliently engage electrical components mounted to the PCB to securely hold the electrical component in place and to reduce vibrations.

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